TEAC

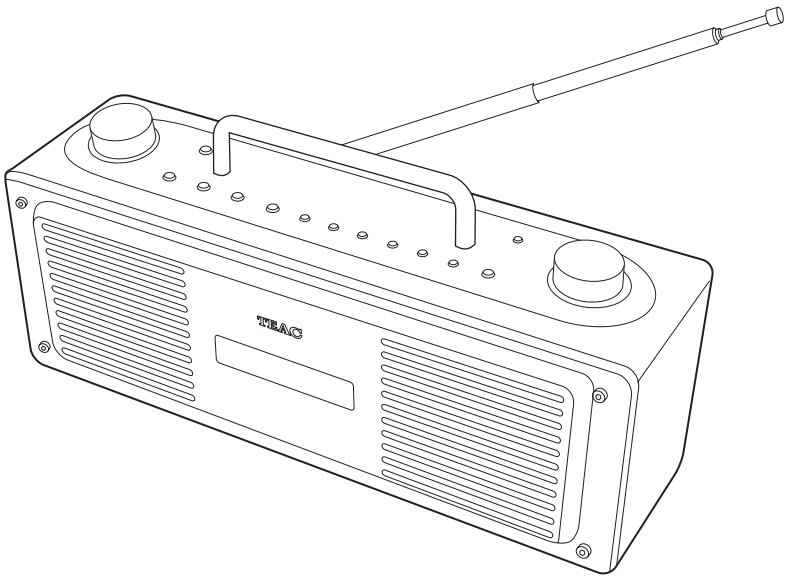
9A09899200

SR-L30DAB

DAB/FM Stereo Radio

OWNER'S MANUAL

DAB
Digital Audio Broadcasting



IMPORTANT (for U.K.Customers)

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not provided with a mains plug, or one has to be fitted, then follow the instructions given below:

IMPORTANT. DO NOT make any connection to the larger terminal which is marked with the letter E or by the safety earth symboll or coloured GREEN or GREEN-and-YELLOW.

The wires in the mains lead on this product are coloured in accordance with the following code:

BLUE : NEUTRAL
BROWN : LIVE

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

When replacing the fuse only a correctly rated approved type should be used and be sure to re-fit the fuse cover.

IF IN DOUBT — CONSULT A COMPETENT ELECTRICIAN.

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Thank you for choosing TEAC. Read this manual carefully to get the best performance from this unit.

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Read this before operation

- As the unit may become warm during operation, always leave sufficient space around the unit for ventilation.
- Do not use any AC adaptors other than the one included with this unit to avoid fire, electric shock, etc. Be sure to connect the AC adaptor to an AC outlet which supplies correct voltage.
- Choose the installation location of your unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibrations and excessive dust, heat, cold or moisture.
- Do not place the unit on the amplifier or the receiver.
- Do not open the cabinet as this might result in damage to the circuitry or electrical shock. If a foreign object should get into the unit, contact your dealer or service company.
- When removing the AC adaptor from the wall outlet, never yank the cord.
- Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.
- Keep this manual in a safe place for future reference.

Beware of condensation

When the unit is moved from a cold to a warm place, or used after a sudden temperature change, there is a danger of condensation; vapor in the air could condense on the internal mechanism, making correct operation impossible. To prevent this, or if this occurs, leave the unit for one or two hours with the power turned on. Then the unit will stabilize at the temperature of its surroundings.

Maintenance

If the surface of the unit gets dirty, wipe with a soft cloth or use diluted neutral cleaning liquid. Be sure to remove any fluid completely. Do not use thinner, benzine or alcohol as they may damage the surface of the unit.

CAUTION

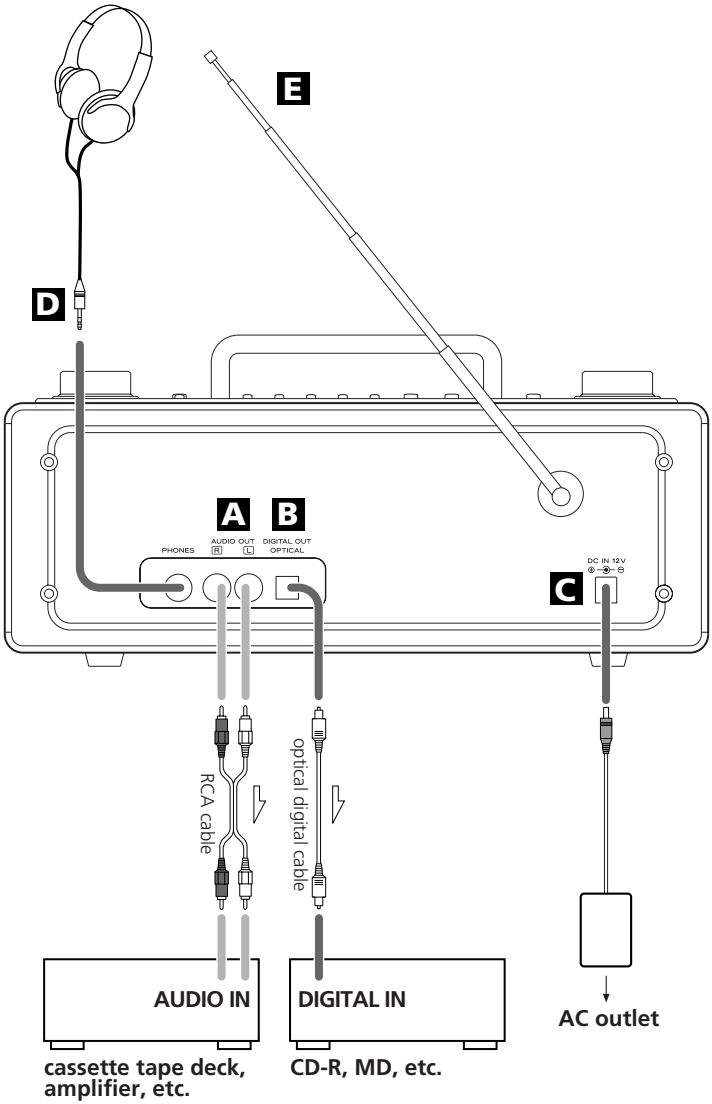
The product shall not be exposed to dripping or splashing and that no object filled with liquids, such as vases, shall be placed on the product.

Do not install this equipment in a confined space such as a book case or similar unit.

Connection

CAUTION

- Turn off the power of all the equipment before making connections.
- Read instructions of each component you intend to use with this unit.
- Be sure to insert each plug securely. To prevent hum and noise, do not bundle the connection cords.



A AUDIO OUT jack

Analogue 2-channel audio signal is output from this jack.
Connect the component with RCA pin cable.

AUDIO OUT (SR-L30DAB) → AUDIO IN (cassette tape deck, amplifier, etc.)

Make sure to connect :

white plug → white jack (L: left)
red plug → red jack (R: right)

B DIGITAL OUT terminal

DAB's digital audio signal is output from this terminal. If you want to record digitally, or decode the signal using an external digital decoder, connect the component with an optical cable.

DIGITAL OUT (SR-L30DAB) → DIGITAL IN (decoder, CD-R, MD, etc.)

- When inserting the plug of the optical cable, the protective shutter of the terminal will open and you should hear it click into position when fully inserted. Be careful that you do not force the plug, because this could result in damage to the protective shutter, the cable, or the unit itself.

C DC IN

Connect the provided AC adaptor to this jack. After all other connections are complete, connect the AC adaptor's plug to the AC wall socket.

- Do not use any AC adaptors other than the one included with this unit to avoid fire, electric shock, etc. Be sure to connect the adaptor to an AC outlet which supplies correct voltage.

D PHONES

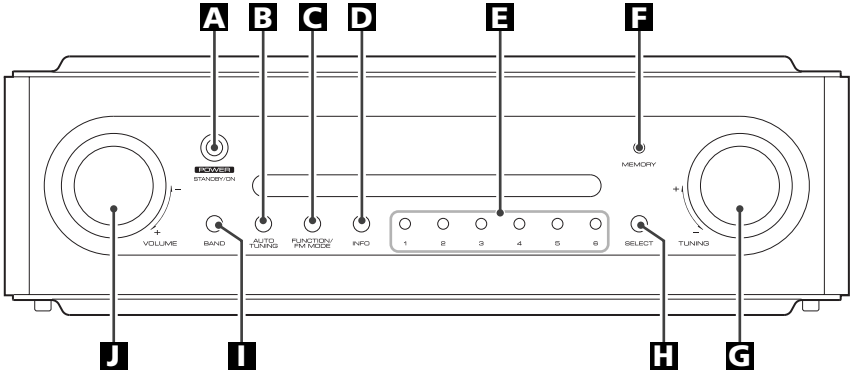
For private listening, insert the headphones plug into this jack, and adjust the volume using the VOLUME buttons.

E DAB/FM Indoor Antenna

Strech the telescopic antenna and point it towards the direction which gives the best reception.

- You can check the DAB signal strength. Tune in a DAB station and press the SELECT button once to display the signal strength.

Names of Each Control



A POWER switch

Press this switch to turn the unit on or off (standby).

> The equipment draws nominal non-operating power from the AC outlet with its POWER switch in the OFF position.

B AUTO TUNING button

Press this button to activate auto location of all available DAB services.
Press once for UK services or, hold for longer than 2 seconds to activate international search.

C FUNCTION/FM MODE button

In DAB mode, activates features such as station order, manual tune, DRC value, SW version indication, signal error rate. It is also possible to 'tidy' the station list to remove stations which are in the memory but have no service provided.
In FM mode, pressing this button alternates between stereo mode and mono mode.

D INFO button

In DAB mode, this button is used to change the text content on the second line of the display, to show DLS (Dynamic Label Segment, info text supplied by each radio station), Programme type (classification given by the radio sation ie: Pop music or Rock), Multiplex name (name of multiplex broadcaster), Time & date, Bitrate, or Channel and frequency.

E Numeric buttons

Use these buttons (1-6) to select the desired preset channel.

F MEMORY button

Press this button to store the station. Up to 40 stations (DAB:10, FM:30) can be stored in preset memories.

G TUNING knob

Turn this knob to tune in a station.

H SELECT button

Use this button to enter your selection.
Press once to show signal stength, press again to remove signal strength display.

I BAND button

Press this button to select the band (FM or DAB).

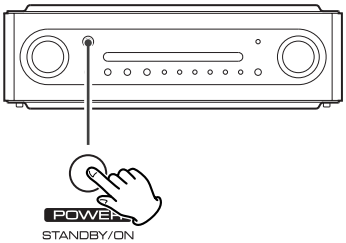
J VOLUME knob

Turn this knob to adjust the volume.

Setting up your DAB Tuner

The first time you turn on the unit, it will scan for DAB channels and build a channel list.

Press the POWER switch to turn the unit on.



The following screen will display for 2 seconds.

```
DAB initialize
Please wait
```

The unit will scan for broadcast services in the local area and add them to the channel list as they are found. The scan should take about 10 seconds.

```
Autoscan local 0
>>>>
```

As channels are added to the channel list the number of channels found is displayed.

```
Autoscan local10
>>>>>>>>>>
```

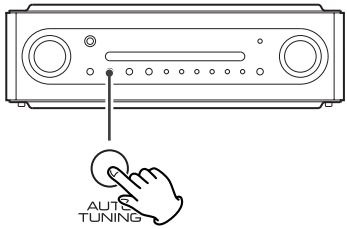
After broadcast services have been found the channels are listed in alphanumeric order.

- If no broadcast services are found, please reorient the antenna.

Auto Tuning

If you move the unit to a new area or you want to check to see if there are new channels available in your area, you can scan to find new channels automatically.

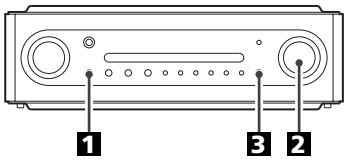
Press the AUTO TUNING button.



The unit will scan for any new channels and add the channels found to the channel list.

- Press and hold the AUTO TUNING button for longer than 2 seconds to activate international search.

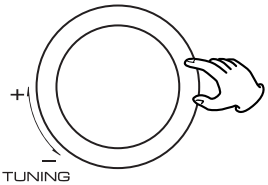
Using the Channel List



Follow the steps below to tune in and listen to the channels found by the unit.

1 Select DAB by pressing the BAND button.

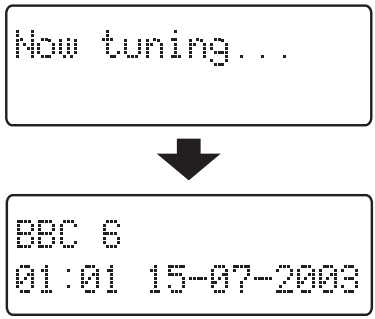
2 Turn the TUNING knob to the left or right to scroll through the channels in the channel list.



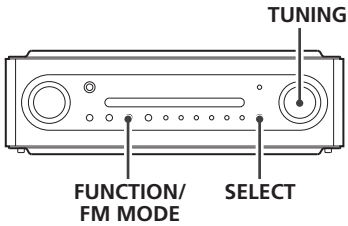
The present channel is displayed on the first line and the changing list is displayed on the second line.

3 When you have found a channel that you want to listen to, press the SELECT button once.

The channel is tuned in and channel information is displayed.



- To display the signal strength of a channel, press the SELECT button again. Press the SELECT button once again to cancel the signal strength display.
- Channels are displayed in alphanumeric order in the channel list, with numbers coming first. So, stations such as 6 Music from the BBC will be listed early in the list.
- If a channel is no longer broadcasting or the unit is moved out of the area of a broadcast channel, the unit will no longer be able to tune in the channel. If the channel cannot be tuned in a question mark (?) is displayed in front of the channel name. If you select this channel to tune in by pressing the SELECT button, 'No stations Available' is displayed.
- You can remove a channel that is no longer available from the channel list. See Tidy station, page 11.



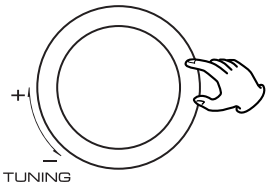
In DAB mode, use function control to set system options. There are 6 options in the function control.

Station order

Use station order to set the order in which stations are listed. There are four orders: Favourite, Alphanumeric, Active and Tidy.

1 While listening to a DAB broadcast press the FUNCTION/FM MODE button.

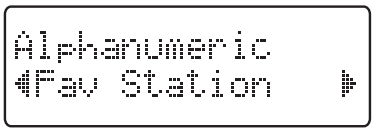
2 Turn the TUNING knob until 'Station order' is displayed in the second line of the display.



3 Press the SELECT button.

The current option is displayed in the first line of the display.

4 Turn the TUNING knob until the desired option is displayed in the second line of the display.



Fav Station (Favourite station)

As you tune in stations and listen to them the unit will memorize the top ten stations you listen to and list them at the top of the channel list. A Favourite station in the channel list has '♥' displayed after the station name on the first line of the display.

Alphanumeric

This is the default order. Channels are listed by name with numbers first and then alphabetically by letters in the channel name.

Active station

This option will list active stations at the top of the channel list and channels that are in the list but have no service in your area to be listed last in the channel list.

Tidy station

This option will list active stations and remove any channels that are in the list but have no service in your area from the channel list.

♥-> preset

This option takes your top ten Favourite channels and assigns them to preset numbers 1 - 10.

This option is only available after 'Fav Station' option has been turned on. See above.

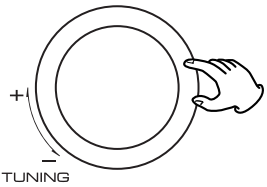
5 Press the SELECT button.

Sig error rate (Signal error rate)

This option shows the digital bit error rate (0-99) of the currently tuned channel. This is for information only and no adjustment is available. The lower the figure the better the quality of the received broadcast.

1 While listening to a DAB broadcast press the FUNCTION/FM MODE button.

2 Turn the TUNING knob until 'Sig error rate' is displayed in the second line of the display.



The digital bit error rate of the current tuned channel is displayed.

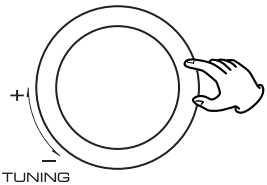
Preset tune

Use this option to select the DAB preset station.

This option won't work when no station is stored in memory. See page 18 to store stations.

1 While listening to a DAB broadcast press the FUNCTION/FM MODE button.

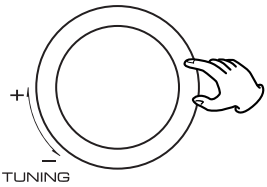
2 Turn the TUNING knob until 'Preset tune' is displayed in the second line of the display.



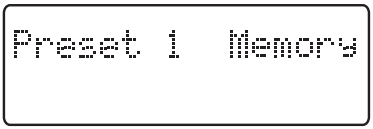
3 Press the SELECT button.

The currently tuned station is displayed.

4 Turn the TUNING knob until the desired preset station is displayed.



5 Press the SELECT button to select the preset station.



- If the station is not broadcasting, 'Empty' is displayed.
- If the station is available, 'Memory' is displayed.

DRC value

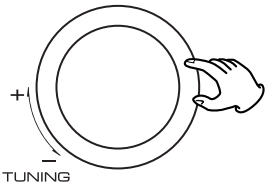
This option sets the Dynamic Range Control (DRC) value to be applied to received broadcasts. DRC is used to reduce the range between high and low volumes of audio and is sometimes applied at the broadcast source. Pop music may have a high value of DRC applied, appropriate for constantly high listening levels, while classical music broadcasts may have no DRC applied to allow the listener to hear the full dynamic range of the source volume.

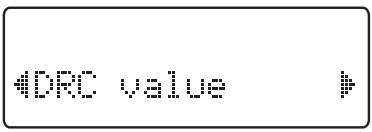
There are three values of DRC you can apply.

0 : None
1/2: Medium
1 : Maximum

1 While listening to a DAB broadcast press the FUNCTION/FM MODE button.

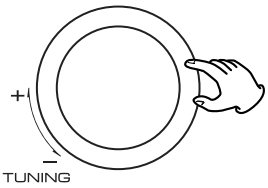
2 Turn the TUNING knob until 'DRC value' is displayed in the second line of the display.



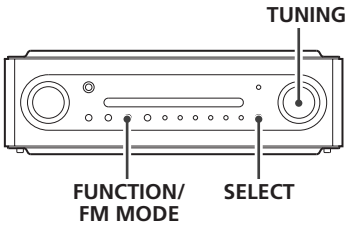


3 Press the SELECT button.

4 Turn the TUNING knob until the desired level of DRC is displayed in the second line of the display.



5 Press the SELECT button.

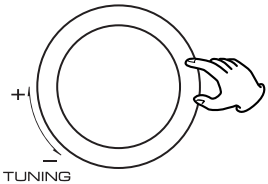


Manual tune

This option allows you to manually tune in a channel and view a continuously updated display of the strength of the signal. This may be useful when adjusting or positioning an antenna for better reception.

1 While listening to a DAB broadcast press the FUNCTION/FM MODE button.

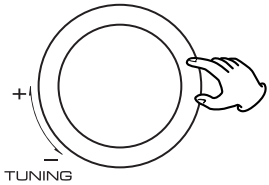
2 Turn the TUNING knob until 'Manual tune' is displayed in the second line of the display.



3 Press the SELECT button.

'Manual tune' is displayed on the first line of the display.

4 Turn the TUNING knob to scroll through the channel list.



5 Press the SELECT button when the channel you wish to tune in is displayed in the second line of the display.

The signal strength indicator is displayed.

6 While viewing the indicator, reposition the antenna until the best reception is indicated.

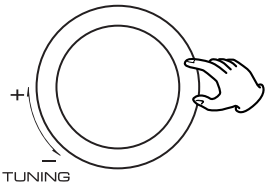
7 Press the SELECT button to cancel Manual tune and resume normal reception.

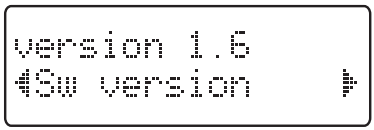
Sw version (Software version)

This option shows the version number of the installed software. This is for information only and no adjustment is available.

1 While listening to a DAB broadcast press the FUNCTION/FM MODE button.

2 Turn the TUNING knob until the version number and 'Sw version' are displayed.

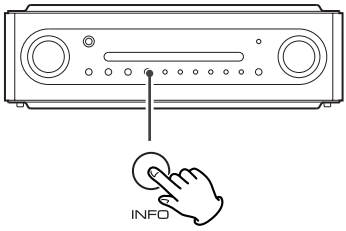




Changing Display Settings

You can choose the type of information displayed in the second line of the display while listening to a DAB channel.

Each time the INFO button is pressed, the information is displayed as follows.



DLS
↓
Programme type
↓
Multiplex name
↓
Date and time
↓
Bitrate mode
↓
Channel and frequency

DLS

The Dynamic Label Segment (DLS) is the scrolling text label supplied by the radio station. It may be information on music titles or details regarding the programme or station.

```
BBC Radio 5 Live
WEEKDAY NEWS & D
```

Programme type

This is a description of the type of broadcast supplied by the radio station such as Pop, Rock or Classical music.

```
BBC Radio 5 Live
Drama
```

Multiplex name

This displays the name of the Mulitplex that is broadcasting the programme.

```
BBC Radio 5 Live
BBC National DAB
```

Date and time

This displays the current date and time, which is supplied by the radio station and should always be accurate.

```
BBC Radio 5 Live
01:01 15-07-2009
```

Bitrate mode

This displays the bitrate of the current playing broadcast.

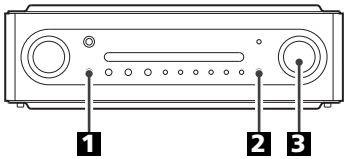
```
BBC Radio 5 Live
 192Kbps STEREO
```

Channel and frequency

This displays the channel and frequency of the current playing broadcast.

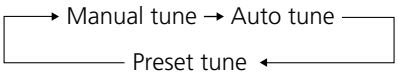
```
BBC Radio 5 Live
11C  220.35MHz
```

Listening to FM Stations

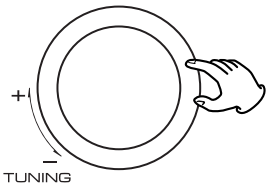


1 Select FM by pressing the BAND button.

2 Select 'Manual tune' or 'Auto tune' by pressing the SELECT button.



3 Select the station you want to listen to.



Manual tuning mode

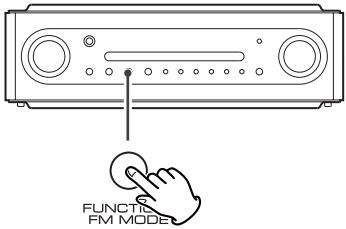
Turn the TUNING knob until the station you want to listen to is found.
The frequency changes by a fixed step (50 kHz).

Auto tuning mode

Turn the TUNING knob slightly to begin auto tuning. When a station is found, the tuning process stops automatically.
Turn the TUNING knob again to stop the auto tuning.

- 'STEREO' is displayed when a stereo broadcast is tuned in.

FUNCTION/FM MODE Button



Pressing this button switches between Stereo mode and Mono mode.

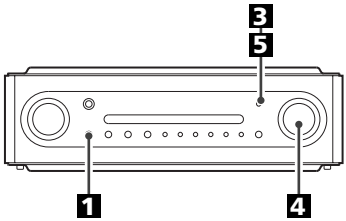
Stereo

FM stereo broadcasts are received in stereo and the STEREO appears on the display.

Mono

To compensate for weak FM stereo reception, select this mode. Reception will now be monaural, reducing unwanted noise.

Manual Memory Presetting

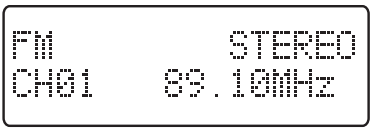


You can store up to 10 DAB stations and 30 FM stations.

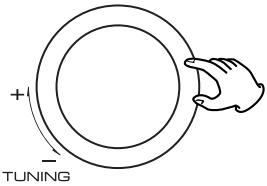
1 Select DAB or FM by pressing the BAND button.

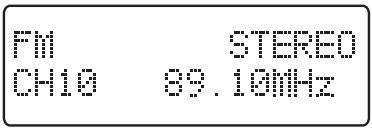
2 Tune the station you would like to store.

3 Press the MEMORY button briefly.



4 Select the preset you would like to use for this station using the TUNING knob or the numeric buttons (1-6).



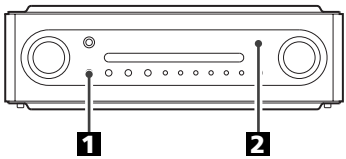


5 Within 4 seconds, press the MEMORY button.

- If you don't press the memory button within 4 seconds after selecting the channel, the selection will be canceled.

To store more stations, repeat steps **1** to **5**.

Preset Auto (FM only)



1 Select FM by pressing the BAND button.

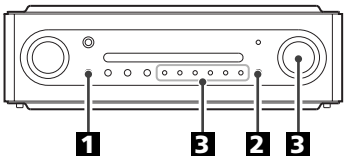
2 Press the MEMORY button for more than 3 seconds.

Up to 30 of the best received FM stations in your area will be stored automatically.

How to select DAB preset stations

See 'Preset tune' of page 12.

How to select FM preset stations

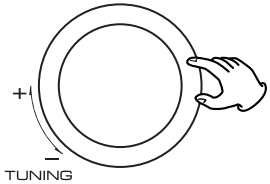


1 Select FM by pressing the BAND button.

2 Select 'Preset tune' by pressing the SELECT button.

3 Select a preset channel

Turn the TUNING knob until the desired preset station is found.

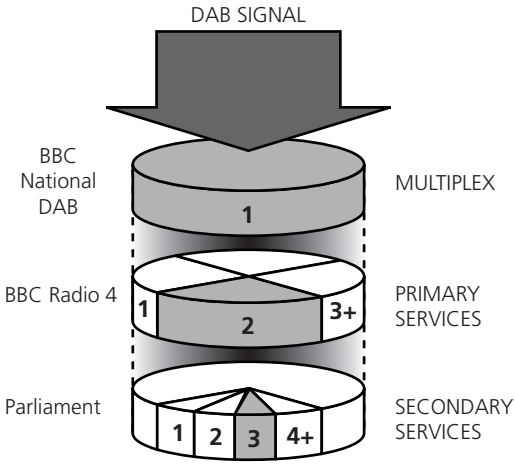


- Preset stations stored from 1 to 6 can also be selected using the numeric buttons.

About DAB

With this unit you can receive and listen to Digital Audio Broadcast (DAB) programmes. DAB uses digital, not analogue signals, resulting in near CD-quality audio with virtually interference-free reception. Along with superior quality audio, DAB can also deliver additional audio channels and text. In the future, computer data and images are also possible.

Digital radio is broadcast as groups of data called ensembles or multiplexes. Each multiplex can contain a number of stations (services) and each station contains a primary service and can contain secondary services as illustrated in the following diagram.



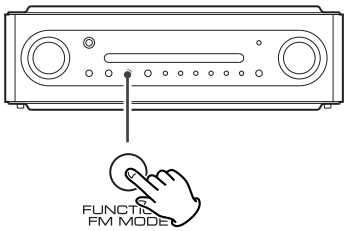
Each multiplex is transmitted in a set frequency range and received by this unit for decoding. You can receive multiplexes broadcast in the 174–240 MHz frequency band and store the services in each multiplex for you to access. The number of multiplexes you receive depend on your location. Channels used in the UK are in the range 10A to 12D.

Multiplexes and stations have labels (names) that are used to identify them. Instead of needing to know the particular frequency of your favourite broadcast, you can simply select the station name. Secondary services and additional data such as text or multiplex info are also available.

Factory Reset

To clear the station list and memory

To clear the station list and memory, it is possible to operate a factory reset function.
To do this hold down the FUNCTION/FM MODE button for a period longer than 4 seconds, 'Factory reset...' appears on the display.



Specifications

FM Tuner

Tuning range . . . . . 87.50 - 108.00 MHz (50 kHz steps)
Signal-to-Noise ratio . . . . . 65 dB (Mono) 60 dB (Stereo)

DAB Tuner

Tunig range . . . Band 3, 174 MHz - 240 MHz
Input . . . . . Telescopic antenna
Max signal . . . . . –3 dBm typ
Sensitivity . . . . . –96 dBm typ
Adjacent Channel Rejection . . . . . 35 dB typ
Digital output . . . . . 24 bit/48 kHz resolution

Speaker System Section

Unit . . . . . 7.5 cm Cone x 2

Connectors

Optical digital output x 1
Analogue audio output (RCA) x 1
Headphone out (3.5 mm stereo mini jack) x 1

General

Output Power . . . . . 2 W + 2 W
Power requirements . . . . . DC +12V
Dimensions (W x H x D). . 310 x 146 x 95 mm
Weight . . . . . 2.0 kg
Operating temperature . . . . . 0 ˚C - 50 ˚C

Accessories

AC adaptor x 1

- Design and specifications are subject to change without notice.
- Illustrations may differ slightly from production models.

Troubleshooting

In case of any trouble with this unit, please take the time to look through this chart and see if you can solve the problem yourself before you call your dealer or a TEAC service centre.

No sound.

➔ Check the connection to the AC wall outlet.

Cannot listen to any station, or signal is too weak.

➔ Tune in the station properly.
➔ Transmitting station is too far away.
➔ Install the antenna again after locating the best reception position.

Noise is excessive.

➔ Poor location and/or direction of the antenna.
➔ Transmitting station is too far away.
➔ If a TV is near the unit, turn it off.

Though the FM broadcast is stereo, it sounds monaural.

➔ Press the FUNCTION/FM MODE button.

All the preset stations are erased.

➔ If the power supply is interrupted for 15 days or longer, the setting kept in memory (such as preset stations) are erased. When this happens, the internal battery that is used to retain settings in memory is exhausted and must be recharged by having the unit connected to power for at least 3 days.

DAB tuner

'NO stations Available' appears on the display.

➔ Ensure that DAB coverage exists in your area.

Cannot access secondary services.

➔ At the time of publishing not many secondary services are available, this will increase as more DAB stations start broadcasting. If a secondary service station is available, the secondary indicator >> will be displayed next to the station name.

Display goes out or displayed 'service off air'.

➔ This may occur if a broadcaster changes the label of a service or removes a label whilst you are listening to it. The SR-L30DAB will try to retune to this station, or alternatively follow the procedure for auto tune on page 8.

Cannot listen to the selected station.

➔ Ensure you have pressed the SELECT button when you want to listen to your selection. The station you are currently listening to will be displayed on the first line of the display, as you scroll through the station order list the second line will show other station options. Press the SELECT button to activate your selection.

A burbling sound is heard on some stations.

➔ DAB like other digital media is good at producing quality audio from a low level signal, however if this signal level is too low a 'burbling' sound can sometimes be heard. To reduce this, try repositioning your antenna to gain maximum signal strength.

If normal operation cannot be recovered, unplug the power cord from the outlet and plug it in again. This resets the internal micro-computer which can be disturbed during electrical storms, power interruptions, et cetera.

TEAC

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This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.

Model number Serial number

1003· MA-0843A